

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A method of making a glass panel that is partially printed with a plurality of layers in the form of a print pattern which subdivides the panel into a plurality of discrete printed areas and/or a plurality of discrete unprinted areas, said layers being in substantially exact registration, said method comprising:

(i) applying a plurality of layers to a sheet of glass, wherein one of said layers comprises a ceramic ink comprising glass frit in the form of said print pattern,

(ii) subjecting said sheet of glass and said plurality of layers to a heat treatment process wherein said glass frit melts and fuses with said sheet of glass and binds another of said layers within said print pattern, and

(iii) (a) burning off the parts of said another of said layers outside said print pattern during said heat treatment process, (b) vaporizing the parts of said another of said layers outside said print pattern during said heat treatment process, or (c) removing the parts of said another of said layers outside said print pattern by a subsequent finishing process.

2. (Previously Presented) A method as claimed in claim 1, wherein, after (iii), a plurality of said plurality of layers have a common length of boundary.

3. (Previously Presented) A method as claimed in claim 1, wherein, after (iii), a plurality of said plurality of layers are single layers of different color and have boundaries which are spaced apart.

4. (Previously Presented) A method as claimed in claim 1, wherein said print pattern is defined by a clear ceramic ink comprising said glass frit and resin matrix material.

5. (Previously Presented) A method as claimed in claim 1, wherein said one of said layers comprises a resin matrix and wherein the method further comprises applying a preliminary

heat treatment to said one of said layers, wherein said resin matrix is substantially removed from said one of said layers by said preliminary heat treatment.

6. (Previously Presented) A method as claimed in claim 1, wherein said glass frit in molten, liquid form migrates into said another of said layers.

7. (Previously Presented) A method as claimed in claim 11, wherein said matrix comprises resin, and wherein said resin melts during said heat treatment process to form liquid resin.

8. (Original) A method as claimed in claim 7, wherein said liquid resin carries particles of said glass frit from said one of said layers into said another of said layers during said heat treatment process.

9. (Previously Presented) A method as claimed in claim 1, wherein said another of said layers comprises pigment.

10. (Previously Presented) A method as claimed in claim 9, wherein the heat treatment process binds said first layer and said pigment to said sheet of glass within said print pattern.

11. (Previously Presented) A method as claimed in claim 1, where said another of said layers comprises an ink comprising a pigment and a binding matrix.

12. (Previously Presented) A method as claimed in claim 11, wherein said another of said layers does not comprise glass frit.

13. (Previously Presented) A method as claimed in claim 11, wherein the heat treatment process burns off said matrix, leaving said pigment on said sheet of glass outside said print pattern.

14. (Previously Presented) A method as claimed in claim 1, wherein said print pattern is defined by a white ceramic ink comprising said glass frit and resin matrix material.

15. (Previously Presented) A method as claimed in claim 1, wherein said print pattern is defined by a black ceramic ink comprising said glass frit and resin matrix material.

16. (Previously Presented) A method as claimed in claim 1, wherein applying said plurality of layers to said sheet of glass comprises printing said plurality of layers onto said sheet of glass.

17. (Previously Presented) A method as claimed in claim 1, wherein applying said plurality of layers to said sheet of glass comprises transferring said plurality of layers in a form of a decal from a pre-printed decal carrier material to the glass.

18. (Previously Presented) A method as claimed in claim 1, further comprising, after (iii), subjecting said sheet of glass to a glass toughening process comprising a further heat treatment process and subsequent cooling by cold air quenching.

19. (Previously Presented) A method as claimed in claim 1, wherein (iii) comprises removing the parts of said another of said layers outside said print pattern by the subsequent finishing process, and wherein said subsequent finishing process comprises applying a vacuum, water jetting, or air jetting

20. (Previously Presented) A method as claimed in claim 9, wherein said pigment settles into molten glass frit.

21. (Previously Presented) A method as claimed in claim 1, wherein applying the plurality of layers to the sheet of glass comprises applying said one of said layers to one surface of the sheet of glass.

22. (Previously Presented) A method as claimed in claim 1, wherein applying the plurality of layers to the sheet of glass comprises applying said one of said layers to a surface of said another of said layers remote from said sheet of glass.

23. (Previously Presented) A method as claimed in claim 1, wherein applying the plurality of layers to the sheet of glass comprises applying said one of said layers intermediate said another of said layers and a further layer of said plurality of layers.

24. (Previously Presented) A method as claimed in claim 1, wherein (iii) comprises:

burning off and vaporizing the parts of said another of said layers outside said print pattern during said heat treatment process;

burning off the parts of said another of said layers outside said print pattern during said heat treatment process, and removing the parts of said another of said layers outside said print pattern by a subsequent finishing process;

vaporizing the parts of said another of said layers outside said print pattern during said heat treatment process, and removing the parts of said another of said layers outside said print pattern by a subsequent finishing process; or

burning off and vaporizing the parts of said another of said layers outside said print pattern during said heat treatment process, and removing the parts of said another of said layers outside said print pattern by a subsequent finishing process.

25. (New) A method as claimed in claim 1, wherein a portion of said another of said layers remains within said print pattern after said (a) burning, (b) vaporizing, or (c) removing.

26. (New) A method as claimed in claim 25, wherein the portion of said another of said layers comprises ink that remains within said print pattern after said (a) burning, (b) vaporizing, or (c) removing.

27. (New) A method as claimed in claim 25, wherein said applying of the plurality of layers to the sheet of glass comprises applying said another of said layers both within and outside of said print pattern.

28. (New) A method of making a glass panel that is partially printed with a plurality of layers in the form of a print pattern which subdivides the panel into a plurality of discrete printed areas and/or a plurality of discrete unprinted areas, said layers being in substantially exact registration, said method comprising:

(i) applying a plurality of layers to a sheet of glass, wherein one of said layers comprises a ceramic ink comprising glass frit and is printed in the form of said print pattern, and another of said layers is printed both within and outside said print pattern,

(ii) subjecting said sheet of glass and said plurality of layers to a heat treatment process wherein said glass frit melts and fuses with said sheet of glass and migrates into said another of said layers and binds said another of said layers to said one of said layers and to said sheet of glass within said print pattern but does not migrate into said another of said layers or bind said another of said layers to said sheet of glass outside said print pattern, and

(iii) (a) burning off the parts of said another of said layers outside said print pattern during said heat treatment process, (b) vaporizing the parts of said another of said layers outside said print pattern during said heat treatment process, or (c) removing the parts of said another of said layers outside said print pattern by a subsequent finishing process.